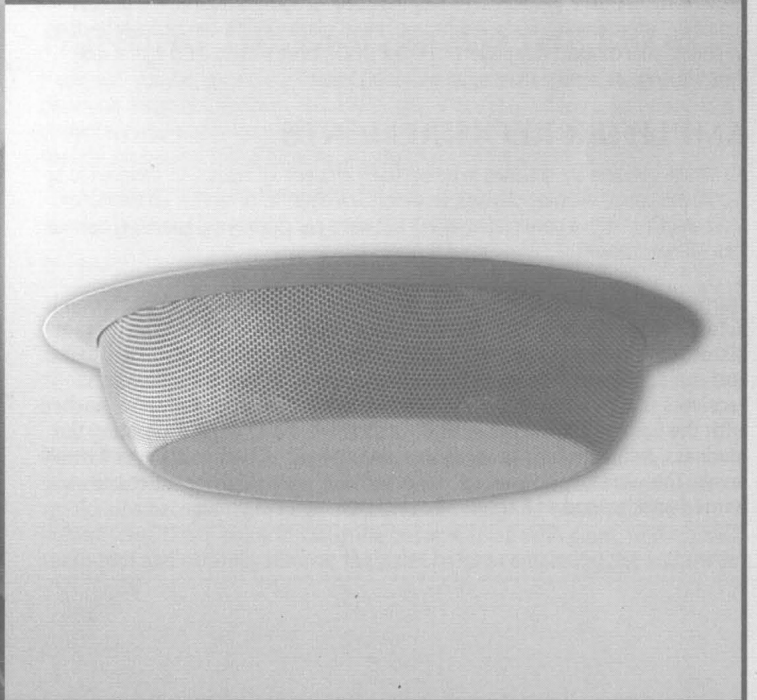
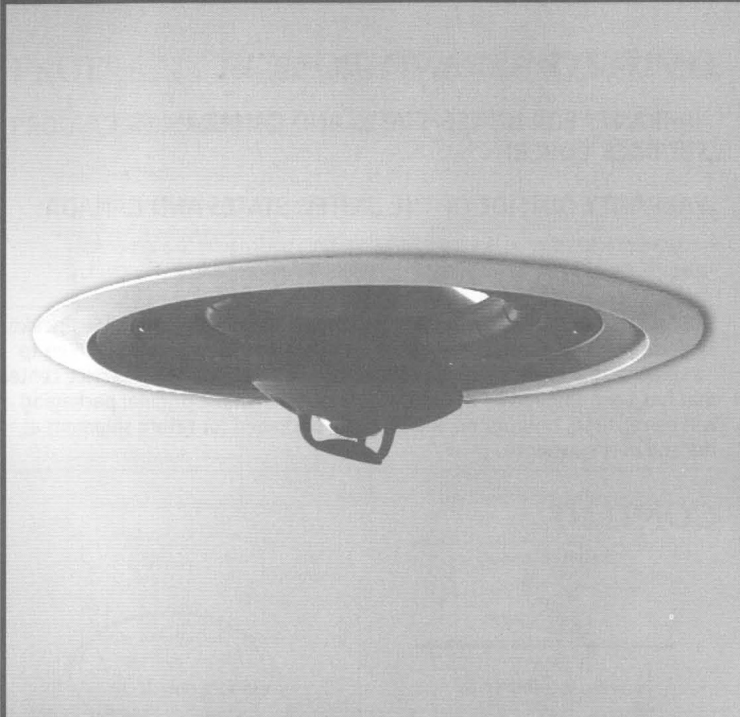


owners manual



Omnican Series

Mirage

IMPORTANT SAFETY INSTRUCTIONS - READ CAREFULLY!

Read Instructions: All safety and operating instructions should be read before the product is operated.

Retain instructions: Safety and operating instructions should be retained for future reference.

Heed Warnings: All warnings on the product & operation instructions should be adhered to.

Follow Instructions: All operating and use instructions should be followed.

INTRODUCTION

Congratulations on your purchase of Mirage Speaker Systems products! Proprietary technology and high quality manufacturing will allow you to enjoy the most natural and accurate music reproduction for many years. The advice offered in this manual is aimed at helping you maximize and maintain peak performance, and therefore, your listening satisfaction. Please take the time to read all of the instructions contained in this manual to make certain your system is properly installed and functioning correctly.

BREAK-IN PERIOD

We strongly advise that you resist the temptation to play your Mirage Speaker Systems speakers to their full capabilities until they have been properly broken in. This process should last approximately 50 to 100 hours of music playback. This can be easily be done by putting your compact disc player on Repeat mode, while playing a CD with a wide dynamic range at average room volume listening levels.

AMPLIFIER REQUIREMENTS

All Mirage speakers are designed to be extremely efficient. All models are designed to be 8-ohm compatible allowing playback on almost any amplifier or receiver on the market. Most amplifiers with a power rating of 20-100 watts per channel will effectively operate your Mirage speakers.

Warning: If an amplifier or receiver is over-driven, the resulting distortion is actually many times greater than its rated power. Over-driven amplifier distortion is called "Clipping", easily identified by its fuzzy, distorted sound, and can damage any speaker. The volume control of most amplifiers and receivers is a logarithmic type, which means that full power may be reached with the volume control set at as little as the halfway point. Operating the loudness, treble, or bass controls increases power output well beyond rated levels. The warranty on your speakers is therefore void if the voice coils are burned or damaged as a result of overpowering or clipping.

LIMITED WARRANTY POLICY

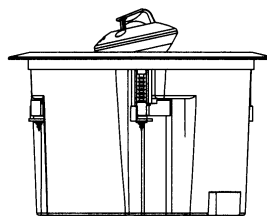
WARRANTY FOR UNITED STATES AND CANADA (SEE BACK COVER)

WARRANTY OUTSIDE OF THE UNITED STATES AND CANADA:

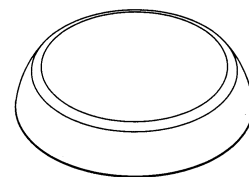
Product warranties may be legislated differently from one country to another. Ask your local dealer for details of the LIMITED WARRANTY applicable in your country.

NOTE: Please retain the carton and packing material for your Mirage Speaker Systems products to protect them in the event of a move or if they need to be shipped to a service center. Product received damaged by a service center that has been shipped by the end user in other than the original packaging will be repaired, refurbished and properly packaged for return shipment at the end user's expense.

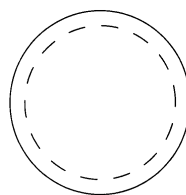
CONTENT



OMNISCAN Speaker



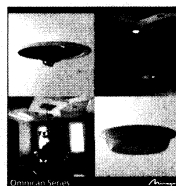
OMNISCAN Grille



Hole cut-out Template



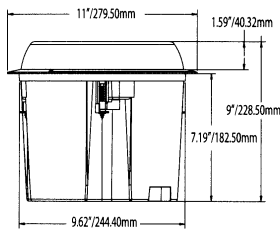
Grille Removal Tool



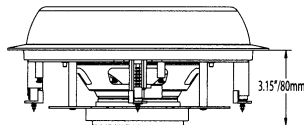
Manual

PRODUCT / HOLE CUT-OUT DIMENSIONS

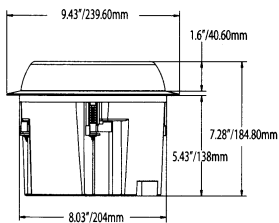
PRODUCT DIMENSIONS:



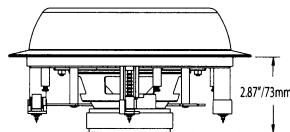
OC-65 with back-box



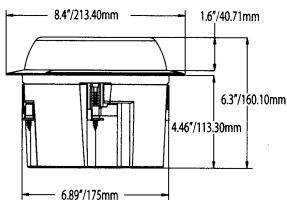
OC-65 without back-box



OC-55 with back-box

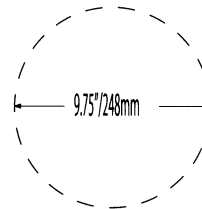


OC-55 without back-box

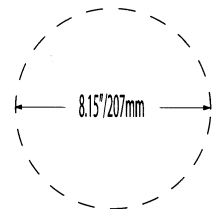


OC-45

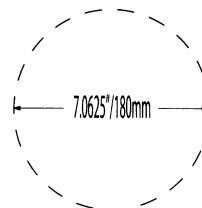
HOLE CUT-OUT DIMENSIONS:



OC-65



OC-55



OC-45

PAINTING THE GRILLE AND THE BEZEL

If you wish, you can paint the grille and the visible frame of the OMNIGAN to match the décor and design of your home. Please take precautions to avoid any paint coming into contact with the woofer cone, the tweeter, or the OMNIGUIDE module as this could damage the speaker. Follow these simple steps to paint the speaker:

- 1) Separate the grille from the speaker.
- 2) The separated grille can now be painted on its own.
- 3) In order to paint the bezel, you should construct a protective cylindrical cover to slide between the frame and the speaker (into the area where the grille is usually affixed). This protective cover can be created by overlapping the ends of a piece of paper approximately 16-inches (40cms) long.
- 4) After the protective cover is set in place, paint the frame, and then remove the protective cover when the paint is dry.

NOTE: Please do not paint the black components which are hidden underneath the grille, as they can easily be damaged. These components would also become more visible underneath the grille when painted a lighter color. If any holes in the grille become filled with paint, find a small sharp tool and carefully remove the paint before completing the installation.

PLACEMENT / POSITIONING OPTIONS

The OMNISCAN is the most unique in-ceiling speaker developed to date. Featuring Mirage's exclusive OMNIPOLAR technology and other patent pending technological advancements, the OMNISCAN creates an unprecedented spacious soundfield. The OMNISCAN distributes sound evenly into the room, hence allowing for greater coverage and smoother blending between speakers.

In order to achieve the best results from your new OMNISCAN speaker system, it is important to understand the fundamentals of the technology behind it. Mirage's proprietary OMNIGUIDE module is used to reflect sound in a life-like 360 degree dispersion pattern. It is angled to allow the OMNISCAN speakers to create a slightly forward biased soundfield. This means that a larger proportion of sound is directed towards a specific area. An arrow on the OMNIGUIDE tweeter reflector indicates this direction. The OMNIGUIDE module can be rotated up to a maximum of 250 degrees to simplify the fine-tuning process. The speakers will ship with the OMNIGUIDE module oriented in the center position allowing a rotation of 125 degrees in either direction. This center position is marked with a small sticker on the front baffle allowing you to easily find the center position if the OMNIGUIDE module has shifted during shipping or installation. For further information please refer to diagram 1.

Depending on whether you are trying to create a diffused or more directional soundfield there are two general guidelines to follow:

Diffused Soundfield: Mount the OMNISCANs with the arrow on the OMNIGUIDE module pointed towards the side or rear walls, away from the main listening area. This orientation is particularly suited for surround sound and distributed audio applications.

Directional Soundfield: Mount the OMNISCANs with the arrow on the OMNIGUIDE module pointed towards the main listening area. This orientation is particularly suited for front speaker applications (left, center, right) or when the OMNISCANs are mounted in very large rooms with the speakers being fairly far apart from one another.

Diagram 2 shows an example of how a 5.1 home theater system could be set-up. The circles in the diagram illustrate the direction of the sound.

If you are uncertain about the placement of the OMNISCANs, you can conduct a very simple experiment to develop a better understanding of how the speakers may perform in your room. Place the OMNISCANs on the floor with the speaker and OMNIGUIDE module facing upwards in approximately the same location as they would be when mounted in the ceiling. Connect the speakers to a receiver (see INSTALLATION INSTRUCTIONS below) and listen to some familiar music and/or movie tracks. You may want to listen to the speakers while standing upright in order to increase the distance between your ear level and the speakers. The idea behind this is to simulate the distance between the ear-level in your normal seating position and the speakers when mounted to the ceiling. Experiment with some alternative placements and OMNIGUIDE rotations to get a feel for how the OMNISCANs perform in different positions. Even though this experiment is not 100% accurate it can offer some valuable insights with regards to how the speakers may perform in your specific room.

It is important to note that no matter how the OMNISCAN is mounted; it will achieve great performance. The above should be seen as a very general guideline on how to fine-tune the system, and how to cope with unusually shaped rooms. We highly recommend experimenting with different angles in order to find the perfect set-up for your room and to enjoy the tremendous versatility of the OMNISCAN series.

NOTE: Additional information and tips on how to further fine-tune your OMNISCAN series speaker system can be found at www.miragespeakers.com/v2

INSTALLATION INSTRUCTIONS

NOTE: If you are unable to install the speakers yourself, please contact an authorized installation contractor, or your authorized Mirage Speaker Systems retailer. **Caution:** Turn off all power in your audio/video system before proceeding with your installation. Not doing so could result in potential damage to the system.

INSTALLATION - STEP BY STEP

- 1) Decide on the placement of your speakers. Advanced planning in regards to the placement of your speakers is critical. In general we recommend leaving approximately 18-24 inches (45-60cm) of space between the speaker and the walls of the room. Please refer to the Placement section for further information. The mounting location must be void of wall studs or bracing. Adequate depth for the speaker to fit flush to the ceiling surface is important.
- 2) Once you have determined the speaker's final mounting position, use the supplied template and mark the cut-out on the ceiling. To mark the cut-out size, simply trace an outline of the supplied template. (Diagram 3)
- 3) Using the appropriate wall-cutting tool, accurately cut the hole into the ceiling. (Diagram 4)
- 4) Insert the speaker cable(s) from the receiver or amplifier into the wall or ceiling, and leave enough slack in the wire so that it can hang out from the hole and allow the OMNISCAN to rotate if necessary (Diagram 5). Using the appropriate wire is essential, as your local municipality may have certain wiring codes that must be maintained.
- 5) Connect the speaker wire from the positive (RED +) terminal on the receiver to the positive (RED+) terminal on the speaker. Connect the negative (BLACK-) terminal on the receiver to the negative (BLACK-) terminal on the speaker. To connect the wire to the speaker, completely push the appropriate terminal in, and insert the wire through the hole that appears on the terminal. Release the terminal and the internal springs will hold the wire in place. Repeat for the other terminal. **NOTE:** If you inadvertently reverse one of the connections (i.e., red to black), you will notice a severe lack of bass from your system. This is called wiring the system "Out of Phase". If this occurs, check the wiring and re-connect as necessary. (Diagram 6)
- 6) Do not pick the speaker up by the tweeter, as the Pure Titanium Hybrid Tweeter can easily be damaged if this is done. Instead, use the frame of the speaker to hold it in place.
- 7) Insert the entire speaker into the hole (Diagram 7). Rotate the OMNISCAN into the desired direction and using a Phillips screwdriver, tighten the screws attached to the dog clamps until firm. **DO NOT OVERTIGHTEN** (Diagram 8 and 9)

- 8) Carefully remove the plastic cover that protects the Pure Titanium Hybrid Tweeter. Play (break-in) the speakers for a few hours at normal listening levels and then experiment by rotating the OMNIGUIDE module to determine the ideal position. Since the soundfield created by an OMNISCAN speaker is very uniform, only subtle changes in sound may be perceived. Do not proceed with the next step until you are satisfied with the orientation of the OMNIGUIDE, as removing the grille of the speaker can be a bit tricky. (Diagram 10)
- 9) To reattach the grille to the speaker, work in a circular fashion, gradually fitting the grille into the bezel. (Diagram 11)
- 10) In order to rotate the speaker at a later point in time, take off the grille, slightly loosen the four screws, and rotate the OMNISCAN into the desired direction.

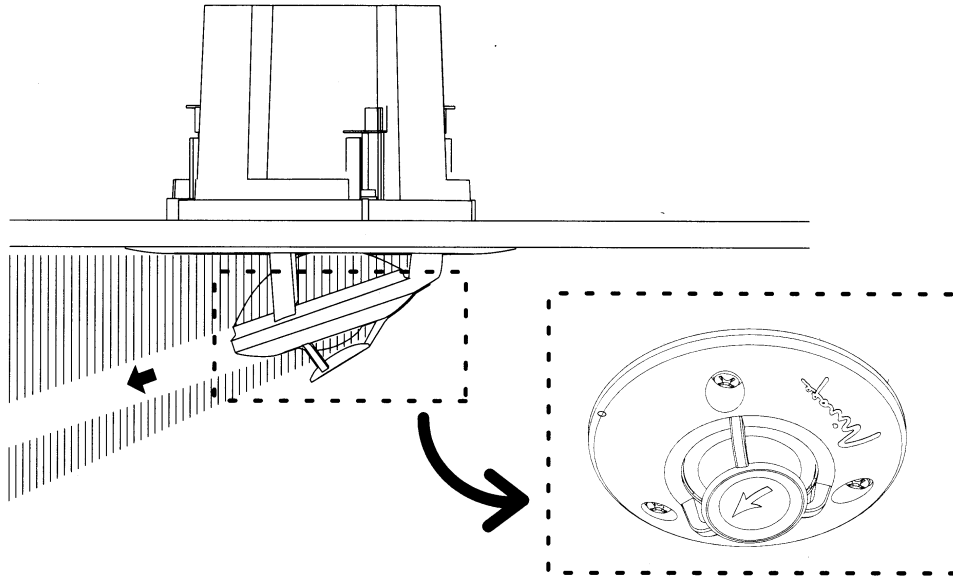
NOTE: The OC-55 and OC-65 back-boxes can be removed if space is limited in your installation. A second set of binding posts is included inside the enclosure to allow the speakers to be easily connected. Remove the four screws located on the back of the enclosure and follow the installation instructions as per the above. (Diagram 12)

OUTDOOR / HIGH HUMIDITY USE:

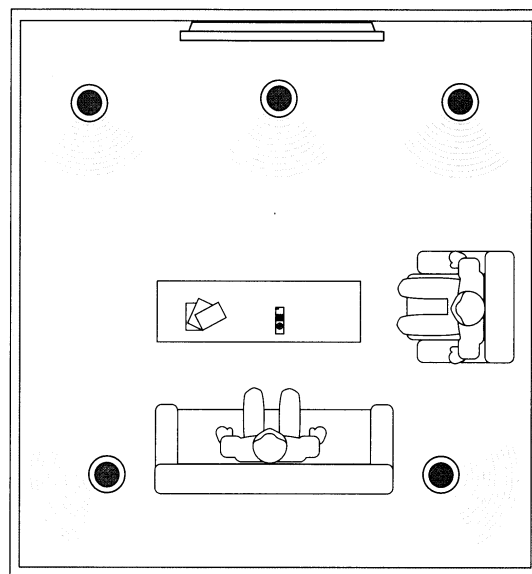
The OMNISCAN series speakers are weather resistant and can be used for under eave mounting and in environments with relatively high humidity, such as bathrooms. However, the below guidelines should be followed in order to ensure a long life expectancy for your speakers:

- When used outdoors, do not mount the speakers with the tweeter module facing upwards, as rain could get into the speakers and damage internal components
- Do not use speakers in very harsh conditions, such as on yachts, steam saunas or in areas exposed to extreme heat. If in doubt about your specific application, please consult your Mirage retailer for further information.
- When used without a back-box, ensure that the area behind the speaker is protected from direct water exposure (i.e. do not mount the speakers under an eave when you may have a leaking roof)

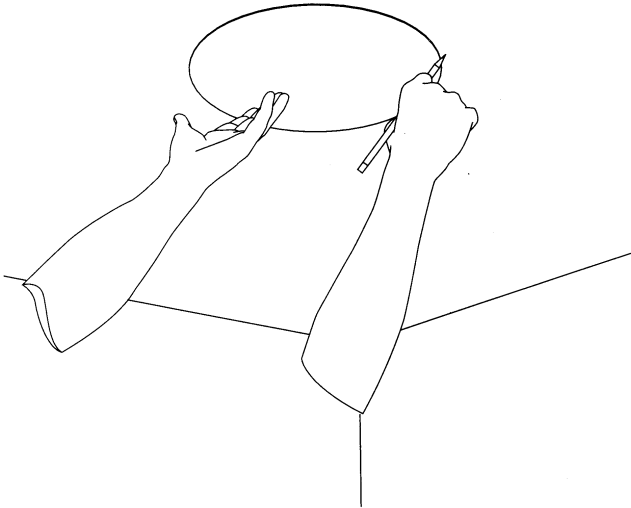
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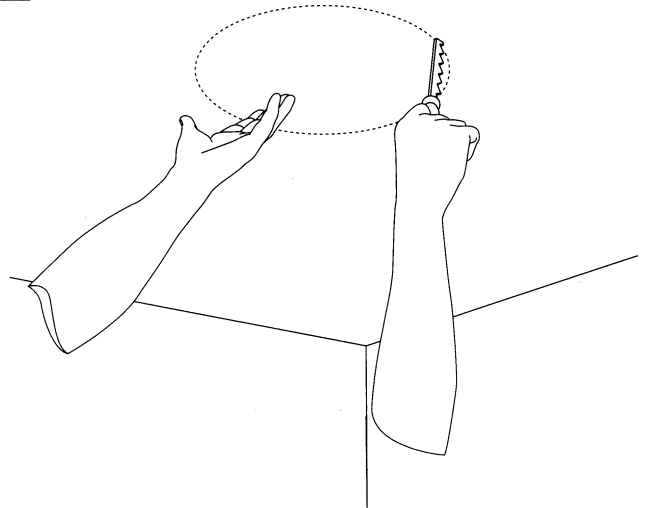
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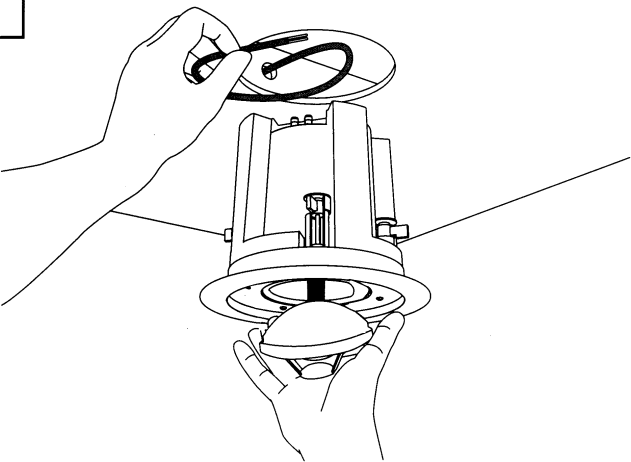
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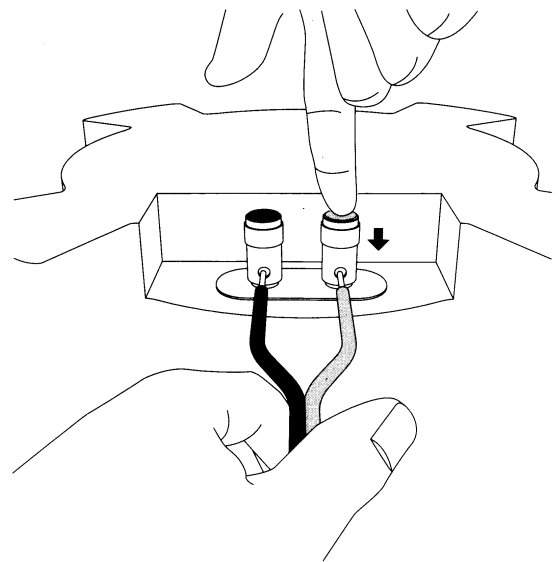
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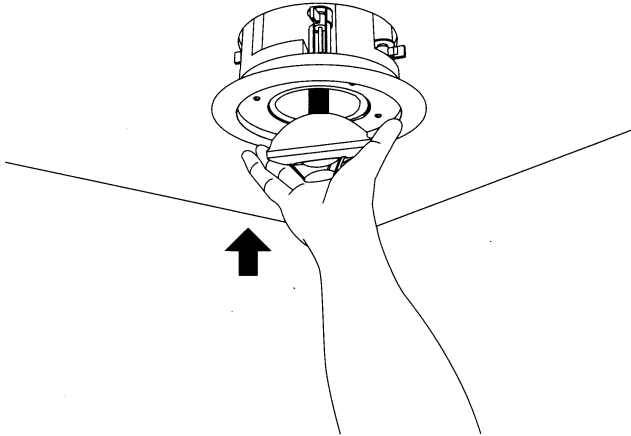
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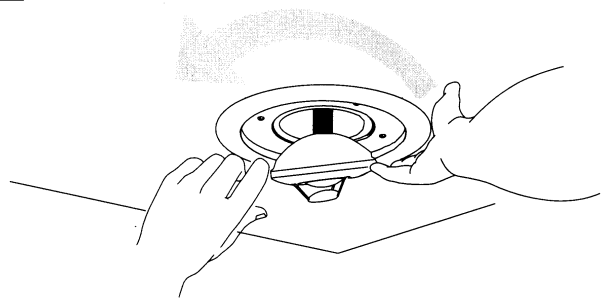
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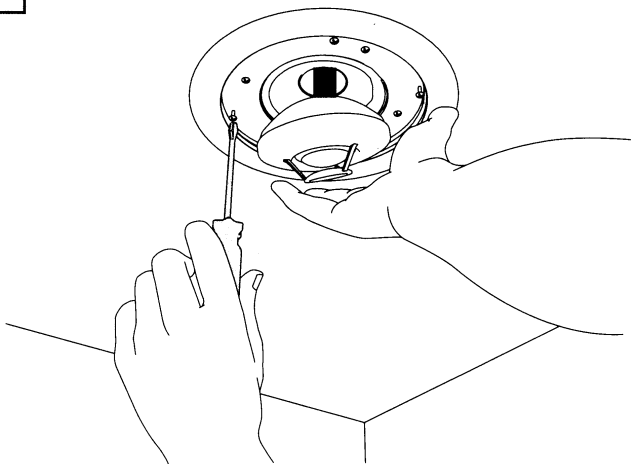
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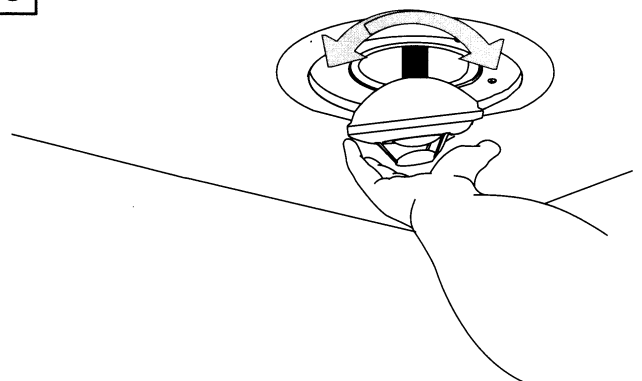
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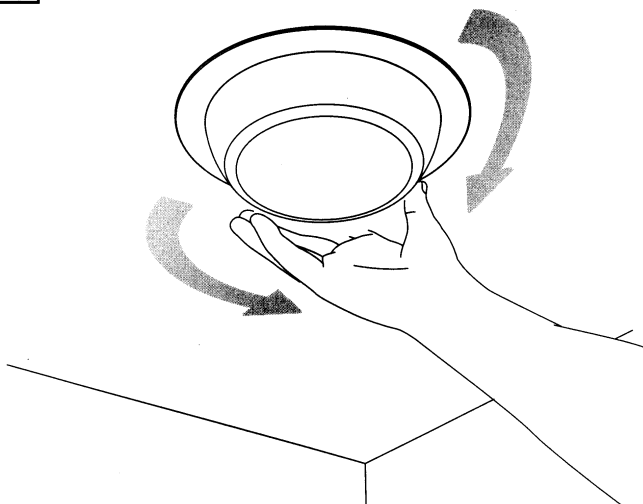
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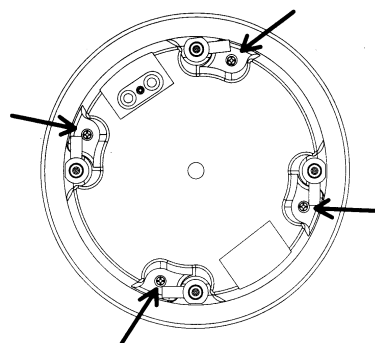
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11



12



WARRANTY

LIMITED WARRANTY POLICY IN THE UNITED STATES AND CANADA

MIRAGE® warrants this product to the retail purchaser against any failure resulting from original manufacturing defects in workmanship or materials. The warranty is in effect for a period of: Passive Speakers: five (5) years, Powered Subwoofers including the speaker - one (1) year from date of purchase from an authorized **MIRAGE®** dealer and is valid only if the original dated bill of sale is presented when service is required.

The warranty does not cover damage caused during shipment, by accident, misuse, abuse, neglect, unauthorized product modification, failure to follow the instructions outlined in the owner's manual, failure to perform routine maintenance, damage resulting from unauthorized repairs or claims based upon misrepresentations of the warranty by the seller.

WARRANTY SERVICE

If you require service for your **MIRAGE®** Speaker Systems speaker(s) at any time during the warranty period, please contact:

- 1) the dealer from whom you purchased the product(s), or
- 2) **MIRAGE®** Speaker Systems SERVICE – Tel: 1 (866) 441-8208.
- 3) Additional service centers can be found by checking the **MIRAGE®** Speaker Systems website: www.mirage-speakers.com.

You will be responsible for transporting the speakers in adequate packaging to protect them from damage in transit and for the shipping costs to an authorized **MIRAGE®** Speaker Systems service center or to **MIRAGE®** Speaker Systems. If the product is returned for repair to **MIRAGE®** Speaker Systems the costs of the return shipment to you will be paid by **MIRAGE®** Speaker Systems, provided the repairs concerned fall within the Limited Warranty. The **MIRAGE®** Speaker Systems Warranty is limited to repair or replacement of **MIRAGE®** Speaker Systems products. It does not cover any incidental or consequential damage of any kind. If the provisions in any advertisement, packing cartons or literature differ from those specified in this warranty, the terms of the Limited Warranty prevail.



GARANTIE

GARANTIE AUX ÉTATS-UNIS ET AU CANADA

La société **MIRAGE®** garantit cet appareil contre toute défectuosité attribuable aux pièces d'origine et à la main d'oeuvre. Cette garantie est valide pendant une période de cinq (5) ans (enceinte passif) et de un (1) an (extrêmes-graves) à partir de la date d'achat auprès d'un revendeur **MIRAGE®** agréé ; la garantie ne sera honorée que sur présentation d'une pièce justificative de la date d'achat.


La garantie ne couvre aucun dommage subi pendant le transport ou imputable à un accident, à une utilisation impropre ou abusive, à la négligence, à une modification non autorisée, à la non-observance des instructions décrites dans le manuel de l'utilisateur ou des directives d'entretien, ni aucun dommage subi par suite de réparations non autorisées ou de réclamations fondées sur une mauvaise interprétation des conditions de la présente garantie par le revendeur.

SERVICE SOUS GARANTIE


Dans l'éventualité où une réparation deviendrait nécessaire pendant la période de couverture de la garantie, communiquez avec :

- 1) le revendeur auprès de qui l'appareil a été acheté, ou
- 2) Service **MIRAGE®** Speaker Systems – Tél.: 1 (866) 441-8208.
- 3) Pour connaître l'adresse de tous nos centres de service, consultez le site web d'**MIRAGE®** Speaker Systems à www.mirage-speakers.com.


Le propriétaire de l'appareil est responsable de son emballage et de tous frais d'expédition à un centre de service **MIRAGE®** Speaker Systems agréé. Si l'appareil est expédié à **MIRAGE®** Speaker Systems aux fins de réparation, les frais de réexpédition seront assumés par **MIRAGE®** Speaker Systems à la condition que les réparations effectuées soient couvertes par la garantie. La garantie est limitée à la réparation ou au remplacement des appareils fabriqués et distribués par **MIRAGE®** Speaker Systems. Elle ne couvre aucun dommage indirect ou consécutif de quelque nature que ce soit. Si les conditions accompagnant toute publicité, emballage ou documentation divergent de celles de la présente garantie, les conditions de la présente garantie prévaudront.



7.0625" (180mm)
hole cut-out for
OMNISCAN OC-45



8.15" (207mm)
hole cut-out for
OMNISCAN OC-55



9.75" (248mm)
hole cut-out for
OMNISCAN OC-65